Author Index

Baarsch, M.J., see Lee, B.W., 121
Barrett, A.D.T., see Whitby, J.E., 103
Bates, C., see Hilfenhaus, S., 27
Bellamy, K., see Gordon, V., 247
Benzair, A.-B., Hirsch, I. and Chermann, J.-C., Binding of human immunodeficiency virus type-1 (HIV-1) to partially purified membrane vesicles of lymphoblastoid cell line CEM, 319
Berndt, D., see Ramelow, C., 115
Bey, R.F., see Lee, B.W., 121
Borchers, K. and Slater, J., A nested PCR for the detection and differentiation of EHV-1 and EHV-4, 331
Bradley, L.M., see Whitby, J.E., 103

Campbell, D.E., see Torigoe, S., 219
Chase, C.C.L., see Wilson, W.C., 39
Chen, J.-Y., Liu, M.-Y., Hsu, T.-Y., Cho, S.-M. and Yang, C.-S., Use of bacterially-expressed antigen for detection of antibodies to the EBV-specific deoxyribonuclease in sera from patients with nasopharyngeal carcinoma, 49
Chermann, J.-C., see Benzair, A.-B., 319
Cho, S.-M., see Chen, J.-Y., 49
Cohen, B.J., see Hilfenhaus, S., 27
Colimon, R., see Drouet, E., 259
Colinet, D. and Kummert, J., Identification of a sweet potato feathery mottle virus isolate from China (SPFMV-CH) by the polymerase chain reaction with degenerate primers, 149
Copeland, K.F.T., Haaksma, A.G.M., Derse, D., Goudsmit, J. and Heeney, J.L., Cytochemical analysis of human T cell leukaemia virus I LTR-regulated β-galactosidase gene expression using a novel integrated cell system, 161
Corbitt, G., see Stokes, K.J., 277
Cropper, L.M., see Wilson, P., 19
Crosdale, E., see Stokes, K.J., 277

Dahling, D.R., Wright, B.A. and Williams, Jr., F.P., Detection of viruses in environmental samples: suitability of commercial rotavirus and adenovirus test kits, 137
Dax, E.M., see Karopoulos, A., 83
de Blas, C., see Nolasco, G., 201
Denoyel, G., see Drouet, E., 259
Derse, D., see Copeland, K.F.T., 161
Didarholm, H., see Frisk, G., 235
Dopazo, J., Sobrino, F. and López-Galíndez, C., Estimates by computer simulation of genetic distances from comparisons of RNAse A mismatch cleavage patterns, 73
Drouet, E., Michelson, S., Denoyel, G. and Colimon, R., Polymerase chain reaction detection of human cytomegalovirus in over 2000 blood specimens correlated with virus isolation and related to urinary virus excretion, 259

Emery, D.A., see Lee, B.W., 121

Falkinham, III, J.O., see Ijzerman, M.M., 229
Frazer, I.H., see Park, D.S., 303
Frisk, G., Halloran, M. and Didarholm, H., Stabilization of the antigenicity of coxsackie B procapsids by disoxaril, 235

Gentilomi, G., see Zerbini, M., 169
Gibellini, D., see Zerbini, M., 169
Gordon, V., Parry, S., Bellamy, K. and Osborne, R., Assessment of chemical disinfectants against human immunodeficiency virus: overcoming the problem of cytotoxicity and the evaluation of selected actives, 247
Goudsmit, J., see Copeland, K.F.T., 161
Guo, P., see Scholz, E., 291

Haaksma, A.G.M., see Copeland, K.F.T., 161
Hagedorn, C., see Ijzerman, M.M., 229
Halloran, M., see Frisk, G., 235
Hamblin, C., see Wade-Evans, A.M., 179
Heeney, J.L., see Copeland, K.F.T., 161
Hilfenhaus, S., Cohen, B.J., Bates, C., Kajigaya, S., Young, N.S., Zambon, M. and Mortimer, P.P., Antibody capture haemadherence tests for parvovirus B19-specific IgM and IgG, 27
Hirsch, I., see Benzair, A.-B., 319
Houthoff, H.J., see van Belkum, A., 189
Hsu, T.-Y., see Chen, J.-Y., 49

Ijzerman, M.M., Falkinham, III, J.O. and Hagedorn, C., A liquid, colorimetric presence-absence coliphage detection method, 229

Jelsma, T., see van Belkum, A., 189
Jennings, A.D., see Whitby, J.E., 103

Kajigaya, S., see Hilfenhaus, S., 27
Karopoulos, A., Silvester, C. and Dax, E.M., A

Comparison of the performance of nine commercially available anti-HTLV-I screening assays, 83
Kelsall, S.R., see Park, D.S., 303
Klapper, P.E., see Stokes, K.J., 277
Kummert, J., see Colinet, D., 149

La Placa, M., see Zerbini, M., 169
Lee, B.W., Bey, R.F., Baarsch, M.J. and Emery, D.A., Subtype specific ELISA for the detection of antibodies against influenza A H1N1 and H3N2 in swine, 121
Lee, J.M., see Whitby, J.E., 103
Linkels, E., see van Belkum, A., 189
Liu, M.-Y., see Chen, J.-Y., 49
Lloyd, G., see Whitby, J.E., 103
López-Galíndez, C., see Dopazo, J., 73

Más, P., Sánchez-Navarro, J.A., Sánchez-Pina, M.A. and Pallás, V., Chemiluminescent and colorigenic detection of cherry leaf roll virus with digoxigenin-labeled RNA probes, 93
Michelson, S., see Torigoe, S., 219
Michelson, S., see Drouet, E., 259
Morris, D.J., see Stokes, K.J., 277
Mortimer, P.P., see Hilfenhaus, S., 27
Musiani, M., see Zerbini, M., 169

Ng, K.L., see Sreenivasan, V., 1
Ng, M.L., see Sreenivasan, V., 1
Ni, H., see Whitby, J.E., 103
Nolasco, G., de Blas, C., Torres, V. and Ponz, F., A method combining immunocapture and PCR amplification in a microtiter plate for the detection of plant viruses and subviral pathogens, 201

O'Hara, R., see Wade-Evans, A.M., 179
Osborne, R., see Gordon, V., 247

Pallás, V., see Más, P., 93
Park, D.S., Selvey, L.A., Kelsall, S.R. and F, I.H., Human papillomavirus type 16 E6, E7 and L1 and type 18 E7 proteins produced by recombinant baculoviruses, 303
Parry, S., see Gordon, V., 247
Patt, R., see Wilson, P., 19
Player, V.A. and White, D., Comparison of an ELISA system for the quantification of hepatitis B antibody with an automated and a semi-automated system, 67
Ponz, F., see Nolasco, G., 201

Quint, W., see van Belkum, A., 189

Ramelow, C., Süss, J., Berndt, D., Roggendorf, M. and Schreier, E., Detection of tick-borne encephalitis virus RNA in ticks (*Ixodes ricinus*) by the polymerase chain reaction, 115
Roggendorf, M., see Ramelow, C., 115

Sánchez-Navarro, J.A., see Más, P., 93
Sánchez-Pina, M.A., see Más, P., 93
Scholz, E., Zhang, C. and Guo, P., Transactivation of the early SV40 promoter by avian infectious laryngotracheitis virus in avian hepatoma cells, 291
Schreier, E., see Ramelow, C., 115
Selvey, L.A., see Park, D.S., 303
Semple, A.D., see Stokes, K.J., 277
Sharp, I.R., see Wilson, P., 19
Silvester, C., see Karopoulos, A., 83
Slater, J., see Borchers, K., 331
Sobrino, F., see Dopazo, J., 73
Sreenivasan, V., Ng, K.L. and Ng, M.L., Brefeldin A affects West Nile virus replication in Vero cells but not C6/36 cells, 1
Starr, S.E., see Torigoe, S., 219
Stephenson, J.R., see Whitby, J.E., 103
Stokes, K.J., Morris, D.J., Klapper, P.E., Semple, A.D., Crosdale, E. and Corbitt, G., Computer network for a diagnostic virology laboratory, 277
Süss, J., see Ramelow, C., 115

Torigoe, F., see Torigoe, S., 219
Torigoe, S., Campbell, D.E., Torigoe, F., Michelson, S. and Starr, S.E., Cytofluorographic analysis of effects of interferons on expression of human cytomegalovirus proteins, 219
Torres, V., see Nolasco, G., 201

van Belkum, A., Linkels, E., Jelsma, T., Houthoff, H.J., van den Berg, F. and Quint, W., Application of a new, universal dna labeling system in the PCR mediated diagnoses of *Chlamydia trachomatis* and human papillomavirus type 16 infection in cervical smears, 189
van den Berg, F., see van Belkum, A., 189

Wade-Evans, A.M., Woolhouse, T., O'Hara, R. and Hamblin, C., The use of African horse sickness virus VP7 antigen, synthesised in bacteria, and anti-VP7 monoclonal antibodies in a competitive ELISA, 179
Whitby, H.E., see Whitby, J.E., 103
Whitby, J.E., Ni, H., Whitby, H.E., Jennings, A.D., Bradley, L.M., Lee, J.M., Lloyd, G., Stephenson, J.R. and Barrett, A.D.T., Rapid detection of viruses of the tick-borne encephalitis virus

complex by RT-PCR of viral RNA, 103
White, D., see Player, V.A., 67
Williams, Jr., F.P., see Dahling, D.R., 137
Wilson, P., Cropper, L.M., Patt, R. and Sharp, I.R., Production of herpes simplex virus fluorescein labelled typing reagents, 19
Wilson, W.C. and Chase, C.C.L., Nested and multiplex polymerase chain reactions for the identification of bluetongue virus infection in the biting midge, *Culicoides variipennis*, 39
Woolhouse, T., see Wade-Evans, A.M., 179
Wright, B.A., see Dahling, D.R., 137
Yang, C.-S., see Chen, J.-Y., 49
Young, N.S., see Hilfenhaus, S., 27

Zambon, M., see Hilfenhaus, S., 27
Zerbini, M., Musiani, M., Gibellini, D., Gentilomi, G. and La Placa, M., Evaluation of strand-specific RNA probes visualized by colorimetric and chemiluminescent reactions for the detection of B19 parvovirus DNA, 169
Zhang, C., see Scholz, E., 291

Subject Index

Adenovirus test kit, Rotavirus test kit, Environmental testing, 137
African horse sickness virus, Competitive ELISA, ELISA antigen, Bacterial expression, 179
Antibody, Detection, ELISA, Influenza A, Subtype specific, Swine, 121
Antibody to EBV DNase, EBV DNase, Prokaryotic expression system, Dot immunobinding assay, ELISA, 49
Anti-HTLV-I, HTLV-I screening assay, Delta value, 83
Antiviral, Coxsackie B virus, IgM-RIA, Disoxaril, 235
Avian heptoma cell line, Avian infectious laryngotracheitis virus, 291
Avian infectious laryngotracheitis virus, Avian heptoma cell line, 291

Bacterial expression, African horse sickness virus, Competitive ELISA, ELISA antigen, 179
Baculovirus, Expression vector, Papillomavirus, Protein property, 303
Biotin universal linkage system (BIO-ULS), Non-radioactive detection assay, Human papillomavirus type 16 detection, *Chlamydia trachomatis* detection, Cervical smears, 189
Bluetongue virus, PCR, Serogroup-specific, Serotype-specific, 39
Brefeldin A, Flavivirus, Glycoprotein, 1
5-Bromo-4-chloro-3-indolyl-β-D-galactopyranoside, β-Galactosidase, Human T-cell leukemia virus 1 LTR, 161

CEM, HIV-1, Virus binding, Target cell, 319
Cervical smears, Non-radioactive detection assay, Biotin universal linkage system (BIO-ULS), Human papillomavirus type 16 detection, *Chlamydia trachomatis* detection, 189
Chemical disinfection, HIV, Cytotoxicity, 247
Chemiluminescent detection, RNA probes, Colorimetric detection, 169
Cherry leaf roll virus, Digoxigenin, Riboprobe, Dot-blot assay, Detection, 93
Chlamydia trachomatis detection, Non-radioactive detection assay, Biotin universal linkage system (BIO-ULS), Human papillomavirus type 16 detection, Cervical smears, 189
Chlorophenol red β-D-galactopyranoside, β-Galactosidase, Coliphage, *Escherichia coli*, Isopropyl-β-D-thiogalactoside, 229
Clinical virology, Laboratory computer, Data base, Network, 277
Coliphage, β-Galactosidase, Chlorophenol red β-D-galactopyranoside, *Escherichia coli*, Isopropyl-β-D-thiogalactoside, 229
Colorimetric detection, RNA probes, Chemiluminescent detection, 169
Competitive ELISA, African horse sickness virus, ELISA antigen, Bacterial expression, 179
Computer simulation, RNAse A mismatch cleavage method, Genetic distance, Epidemiology, 73
Coxsackie B virus, Antiviral, IgM-RIA, Disoxaril, 235
Cytomegalovirus, PCR, Semi-quantitation, Virus isolation, 259
Cytomegalovirus protein, Monoclonal antibody, Flow cytometry, Recombinant interferon, 219
Cytotoxicity, HIV, Chemical disinfection, 247

Data base, Clinical virology, Laboratory computer, Network, 277
Degenerate primer, SPFMV, Sweet potato feathery mottle virus, Potyvirus, PCR, 149
Delta value, HTLV-I screening assay, Anti-HTLV-I, 83
Detection, Cherry leaf roll virus, Digoxigenin, Riboprobe, Dot-blot assay, 93
Detection, Antibody, ELISA, Influenza A, Subtype specific, Swine, 121
Digoxigenin, Cherry leaf roll virus, Riboprobe, Dot-blot assay, Detection, 93
Disoxaril, Coxsackie B virus, Antiviral, IgM-RIA, 235
Dot-blot assay, Cherry leaf roll virus, Digoxigenin, Riboprobe, Detection, 93
Dot immunobinding assay, EBV DNase, Antibody to EBV DNase, Prokaryotic expression system, ELISA, 49
dsRNA antibody, Virus detection, Satellite detection, Viroid detection, PCR, Solid phase, Spectrofluorometry, 201

EBV DNase, Antibody to EBV DNase, Prokaryotic expression system, Dot immunobinding assay, ELISA, 49
EHV-1, Polymerase chain reaction, EHV-4, 331
EHV-4, Polymerase chain reaction, EHV-1, 331
ELISA, EBV DNase, Antibody to EBV DNase, Prokaryotic expression system, Dot immunobinding assay, 49
ELISA, Hepatitis B antibody, Microparticle immunoassay, Enhanced luminescence, Vaccination, 67
ELISA, Detection, Antibody, Influenza A, Subtype

specific, Swine, 121
ELISA antigen, African horse sickness virus, Competitive ELISA, Bacterial expression, 179
Enhanced luminescence, Hepatitis B antibody, ELISA, Microparticle immunoassay, Vaccination, 67
Environmental testing, Rotavirus test kit, Adenovirus test kit, 137
Epidemiology, RNAse A mismatch cleavage method, Computer simulation, Genetic distance, 73
Escherichia coli, β-Galactosidase, Coliphage, Chlorophenol red β-D-galactopyranoside, Isopropyl-β-D-thiogalactoside, 229
Expression vector, Baculovirus, Papillomavirus, Protein property, 303

Flaviviridae, PCR, Southern blotting, Tick-borne encephalitis virus, 115
Flavivirus, Brefeldin A, Glycoprotein, 1
Flow cytometry, Cytomegalovirus protein, Monoclonal antibody, Recombinant interferon, 219

β-Galactosidase, Human T-cell leukemia virus 1 LTR, 5-Bromo-4-chloro-3-indolyl-β-D-galactopyranoside, 161
β-Galactosidase, Coliphage, Chlorophenol red β-D-galactopyranoside, *Escherichia coli*, Isopropyl-β-D-thiogalactoside, 229
Genetic distance, RNAse A mismatch cleavage method, Computer simulation, Epidemiology, 73
Glycoprotein, Brefeldin A, Flavivirus, 1

Haemadherence, Parvovirus B19, IgM, IgG, 27
Hepatitis B antibody, ELISA, Microparticle immunoassay, Enhanced luminescence, Vaccination, 67
Herpes simplex virus, Typing reagents, Monoclonal antibody, 19
HIV, Cytotoxicity, Chemical disinfection, 247
HIV-1, CEM, Virus binding, Target cell, 319
HTLV-I screening assay, Delta value, Anti-HTLV-I, 83
Human papillomavirus type 16 detection, Non-radioactive detection assay, Biotin universal linkage system (BIO-ULS), *Chlamydia trachomatis* detection, Cervical smears, 189
Human T-cell leukemia virus 1 LTR, β-Galactosidase, 5-Bromo-4-chloro-3-indolyl-β-D-galactopyranoside, 161

IgG, Parvovirus B19, Haemadherence, IgM, 27
IgM, Parvovirus B19, Haemadherence, IgG, 27
IgM-RIA, Coxsackie B virus, Antiviral, Disoxaril, 235
Influenza A, Detection, Antibody, ELISA, Subtype specific, Swine, 121
Isopropyl-β-D-thiogalactoside, β-Galactosidase, Coliphage, Chlorophenol red β-D-galactopyranoside, *Escherichia coli*, 229

Laboratory computer, Clinical virology, Data base, Network, 277

Microparticle immunoassay, Hepatitis B antibody, ELISA, Enhanced luminescence, Vaccination, 67
Monoclonal antibody, Herpes simplex virus, Typing reagents, 19
Monoclonal antibody, Cytomegalovirus protein, Flow cytometry, Recombinant interferon, 219

Network, Clinical virology, Laboratory computer, Data base, 277
Non-radioactive detection assay, Biotin universal linkage system (BIO-ULS), Human papillomavirus type 16 detection, *Chlamydia trachomatis* detection, Cervical smears, 189

Papillomavirus, Expression vector, Baculovirus, Protein property, 303
Parvovirus B19, Haemadherence, IgM, IgG, 27
PCR, Bluetongue virus, Serogroup-specific, Serotype-specific, 39
PCR, Southern blotting, Flaviviridae, Tick-borne encephalitis virus, 115
PCR, SPFMV, Sweet potato feathery mottle virus, Potyvirus, Degenerate primer, 149
PCR, Virus detection, Satellite detection, Viroid detection, dsRNA antibody, Solid phase, Spectrofluorometry, 201
PCR, Cytomegalovirus, Semi-quantitation, Virus isolation, 259
Polymerase chain reaction, EHV-1, EHV-4, 331
Potyvirus, SPFMV, Sweet potato feathery mottle virus, PCR, Degenerate primer, 149
Probe, Tick-borne encephalitis virus, RT-PCR, 103
Prokaryotic expression system, EBV DNase, Antibody to EBV DNase, Dot immunobinding assay, ELISA, 49
Protein property, Expression vector, Baculovirus, Papillomavirus, 303

Recombinant interferon, Cytomegalovirus protein, Monoclonal antibody, Flow cytometry, 219
Riboprobe, Cherry leaf roll virus, Digoxigenin, Dot-blot assay, Detection, 93
RNA probes, Colorimetric detection, Chemiluminescent detection, 169
RNAse A mismatch cleavage method, Computer simulation, Genetic distance, Epidemiology, 73
Rotavirus test kit, Adenovirus test kit, Environmental testing, 137
RT-PCR, Tick-borne encephalitis virus, Probe, 103

Satellite detection, Virus detection, Viroid detection, PCR, dsRNA antibody, Solid phase, Spectrofluorometry, 201
Semi-quantitation, Cytomegalovirus, PCR, Virus isolation, 259
Serogroup-specific, Bluetongue virus, PCR, Serotype-specific, 39

Serotype-specific, Bluetongue virus, PCR, Serogroup-specific, 39
Solid phase, Virus detection, Satellite detection, Viroid detection, PCR, dsRNA antibody, Spectrofluorometry, 201
Southern blotting, PCR, Flaviviridae, Tick-borne encephalitis virus, 115
Spectrofluorometry, Virus detection, Satellite detection, Viroid detection, PCR, dsRNA antibody, Solid phase, 201
SPFMV, Sweet potato feathery mottle virus, Potyvirus, PCR, Degenerate primer, 149
Subtype specific, Detection, Antibody, ELISA, Influenza A, Swine, 121
Swine, Detection, Antibody, ELISA, Influenza A, Subtype specific, 121

Target cell, HIV-1, CEM, Virus binding, 319
Tick-borne encephalitis virus, RT-PCR, Probe, 103
Tick-borne encephalitis virus, PCR, Southern blotting, Flaviviridae, 115
Typing reagents, Herpes simplex virus, Monoclonal antibody, 19

Vaccination, Hepatitis B antibody, ELISA, Microparticle immunoassay, Enhanced luminescence, 67
Viroid detection, Virus detection, Satellite detection, PCR, dsRNA antibody, Solid phase, Spectrofluorometry, 201
Virus binding, HIV-1, CEM, Target cell, 319
Virus detection, Satellite detection, Viroid detection, PCR, dsRNA antibody, Solid phase, Spectrofluorometry, 201
Virus isolation, Cytomegalovirus, PCR, Semiquantitation, 259